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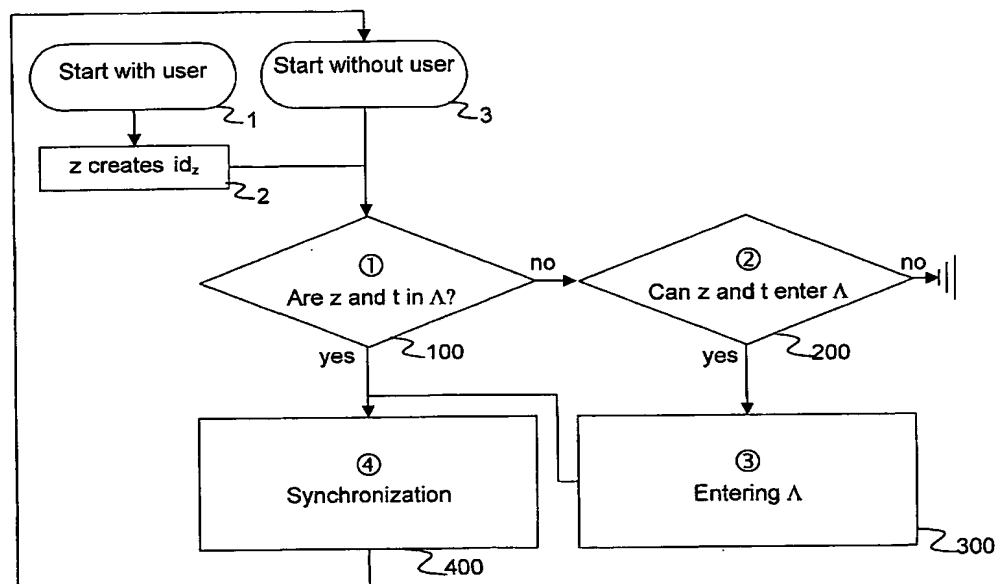
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[Continued on next page]

(54) Title: SECURE DISTRIBUTED SYSTEM FOR MANAGEMENT OF LOCAL COMMUNITY REPRESENTATION WITHIN NETWORK DEVICES



(57) Abstract: Each network device (x) of the system has a local representation of the community to which it belongs by containing: a provable identity (id_x) or means to generate or to obtain a provable identity; objects ($MT(x)$, $UT(x)$, $DT(x)$) capable of memorizing identities of devices of the community having trust relationships with said device; and means for establishing a protocol for trust relationships synchronization.



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